

HISTORY OF ISLAMIC ARCHITECTURE IN EGYPT

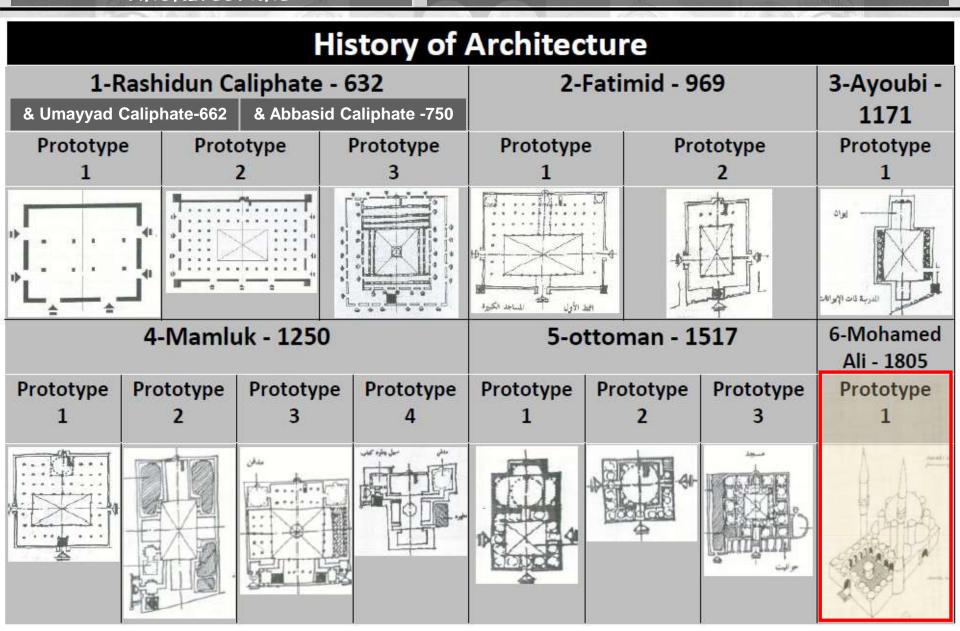
FORM ARCHITECTURAL OF MOSQUES IN THE ISLAMIC ARCHITECTURE

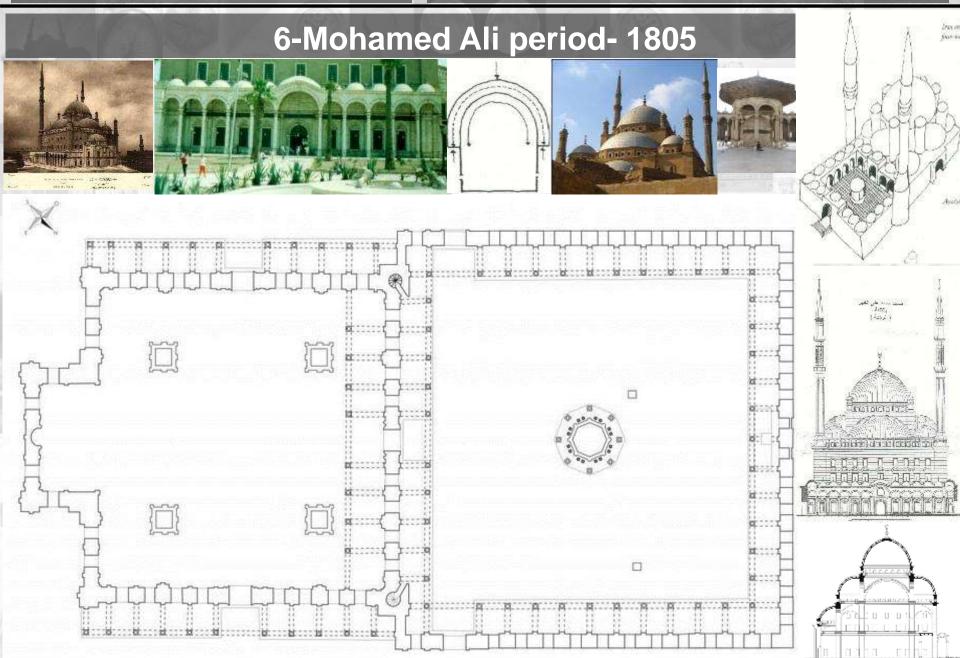
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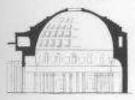


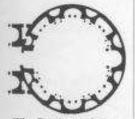


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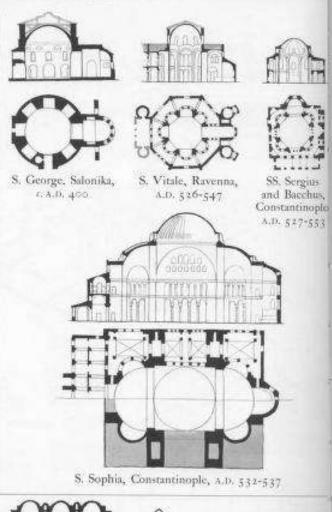


The Minerva Medica, Rome, c. A.D. 260

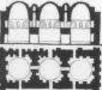




The Pantheon, Rome,



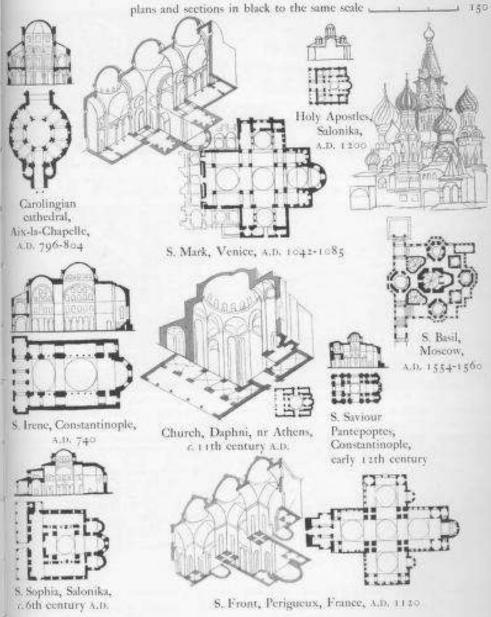






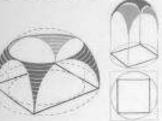
SYRIA: S. George, Ezra, 6.A.D. 510

COMPARATIVE PLANS

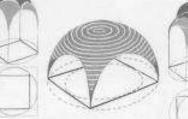


FORM ARCHITECTURAL OF MOSQUES

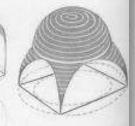
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Pendentives



Dome and pendentives parts of one hemisphere



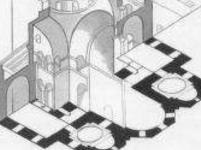
The dome a hemisphere set above pendentives



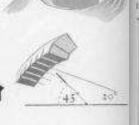
To build an arch centering is necessary,



but a dome can be built in successive rings of horizontal arches without centering



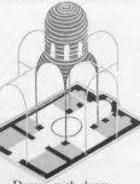
S. Sophia, Salonika, c. A.D. 495



Domes on pendentives of built with bricks not radiating from contre



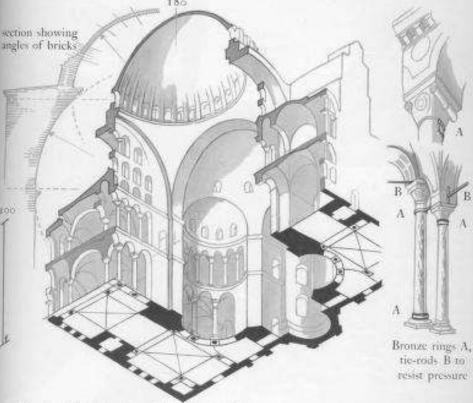
Little Metropole Cathedral, Athens, A.D. 1250



Dome with drum: cross-in-square plan



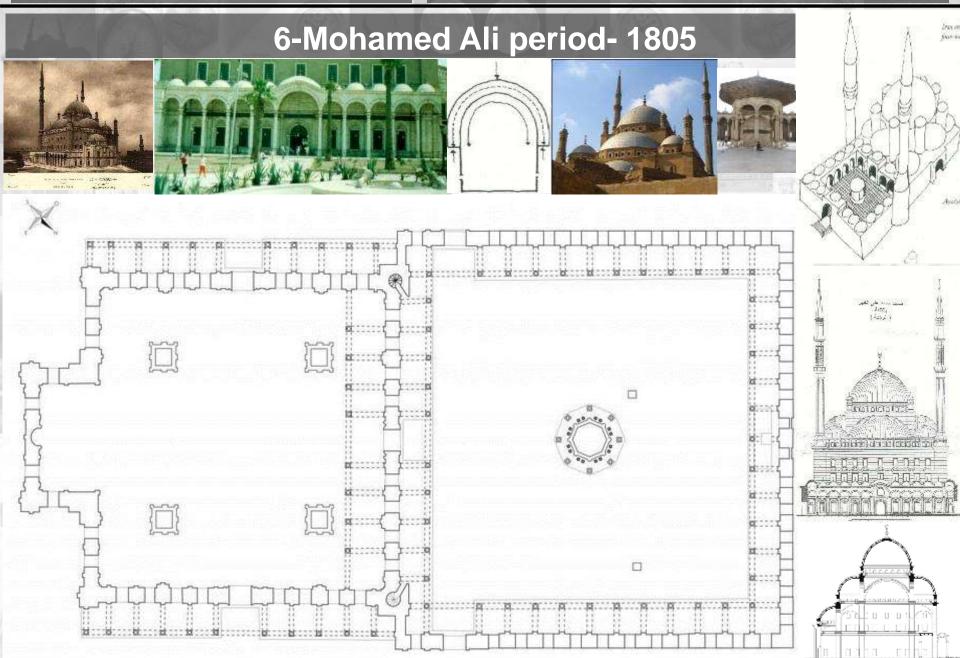
DOMES ON PENDENTIVES



S. Sophia (Hagia Sophia = divine wisdom), Constantinople, A.D., 532-537 (plan p.74)

Built for Justinian by two Greek architects, Anthemius of Tralles and Isodorus of Miletus. Built of brick; the dome probably erected without centering, with bricks about 24-27 mehes square and a inches thick laid in deep mortar and covered with ½ inch lead; the dome supported on 4 piers, the thrust being taken by 2 semi-domes and 4 massive buttresses; the interior lined throughout in coloured marbles and mosaics







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THANK YOU

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